

DE 2340855 B

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Ink spray head for high speed printer - has truncated pyramid shaped base  
form containing piezoelectric ceramic oscillators

Patent Assignee: OLYMPIA WERKE AG (OLYW )

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 2340855	A	19750227				197510 B
DE 2340855	B	19750605				197524

Priority Applications (No Type Date): DE 2340855 A 19730813

Abstract (Basic): DE 2340855 A

The jet printer comprises three constructional parts which engage with one another and have a hollow, truncated shape formed by e.g. deep drawing or stamping. The first outer part incorporates four ceramic oscillators in depressions. The small base surface has outlet openings corresponding in number to the total number of oscillators. The second outer part incorporates three oscillators in so as to attain a seven point pattern. Seven link supply channels are formed in the part. The inner constructional part has energy flow channels which narrow to a capillary gap near the compression chamber and the outlet channels. The compression chambers are positioned opposite the oscillators.

Title Terms: INK; SPRAY; HEAD; HIGH; SPEED; PRINT; TRUNCATE; PYRAMID; SHAPE  
; BASE; FORM; CONTAIN; PIEZOELECTRIC; CERAMIC; OSCILLATOR

Derwent Class: P75

International Patent Class (Additional): B41J-003/04

File Segment: EngPI